Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/13/2022 09:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124922	-1	1.45	124828	1.42
Blue	F	SSC	125000	122325	-3	2.30	122786	2.11
Blue	E	FITC	13602	13198	-3	2.52	369	13.95
Blue	D	PE	24891	24473	-2	1.97	582	10.70
Blue	B	PerCP-Cy5-5	33972	33296	-2	3.13	947	15.19
Blue	A	PE-Cy7	22865	22473	-2	5.30	467	31.67
Red	C	APC	47198	46152	-3	2.99	1599	11.32
Red	A	APC-Cy7	26454	25654	-4	3.36	725	12.48
Violet	B	V450	6737	6406	-5	3.79	443	11.61
Violet	A	V500	29317	28133	-5	3.40	958	8.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24175	2.83	564	29	N/A	N/A	Pass
Blue	F	SSC	54991	2.10	520	-1	N/A	N/A	Pass
Blue	E	FITC	56	53.22	488	4	0.0386	56	Pass
Blue	D	PE	112	39.92	491	5	0.3948	325	Pass
Blue	B	PerCP-Cy5-5	149	43.18	586	7	0.0194	107	Pass
Blue	A	PE-Cy7	78	82.37	629	8	0.0207	2	Pass
Red	C	APC	335	25.88	574	2	0.0301	251	Pass
Red	A	APC-Cy7	136	35.74	553	2	0.0064	1666	Pass
Violet	B	V450	76	50.15	447	-3	0.0682	3413	Pass
Violet	A	V500	114	31.98	467	-2	0.0275	1212	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.59	-31.36	1.12
Blue	20.34	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.45
Red	15.26	13.90 - 20.86	N/A	N/A	29.70	29.95	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 12479

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments